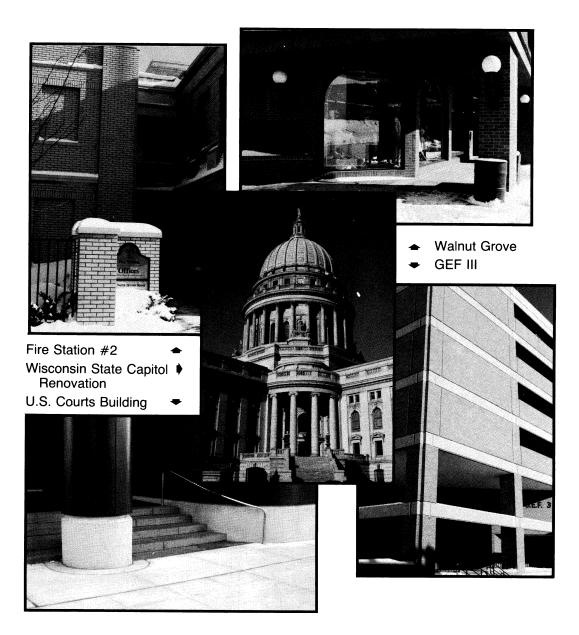
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THE WISCONSIN ARCHITECT

WISCONSIN SOCIETY OF ARCHITECTS SEPTEMBER 1985

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Introduction

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Wisconsin architects recognize this very important function. This issue of the WISCONSIN ARCHITECT contains many examples of successful projects designed for public owners by Wisconsin architects. The centerfold section of this issue provides guidance for public owners who are selecting an architect for their projects. You are encouraged to remove this center section of the magazine and maintain it in your permanent files.

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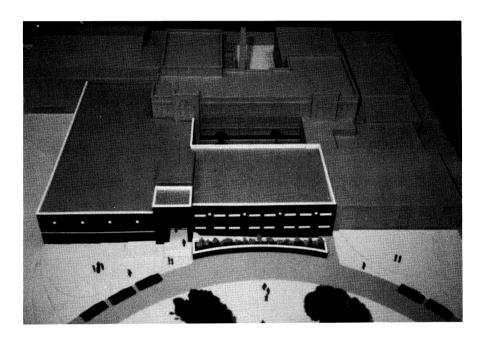




Project: Addition to & Renovation of Burlington High School

Architect: PSI Design, Inc.

Owner: Burlington Area School District



or the past decade the existing high school was clearly inadequate, with too few classrooms for the population. In mid-1984 the Board of Education decided that the \$600,000 that had been "salted away" was enough to begin the planning process.

PSID began by the usual study of the facility and the needs of a changing curriculum. Continuity between new and old construction, reallocation of space within the existing school, and provision of an up to date instructional materials center became key elements in the presentations.

The board of education appointed an independent 12-member citizens' advisory committee to work for passage of the referendum, and PSID assigned its director of marketing to serve as a link between the architects, and the committee, which made the actual presentations to community aroups and organizations.

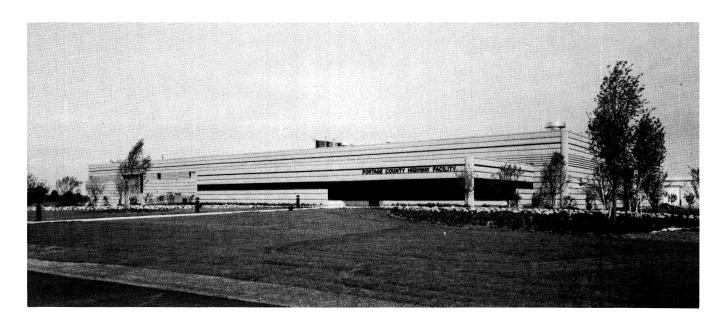
The effort was supported by slidetape presentation prepared using the high school's own media resources, and by a scale model of the project that went "on tour" around the district.

The referendum passed on April 2, 1985, and at long last, the Burlington High School project will proceed. Target occupancy date is in fall of 1986. ■

Project: Portage County Highway Department Maintenance and Storage Facility,

Plover, Wisconsin

Architect: Heike/Design Associates, Inc., Milwaukee, Wisconsin Portage County, County-City Building, Stevens Point, WI

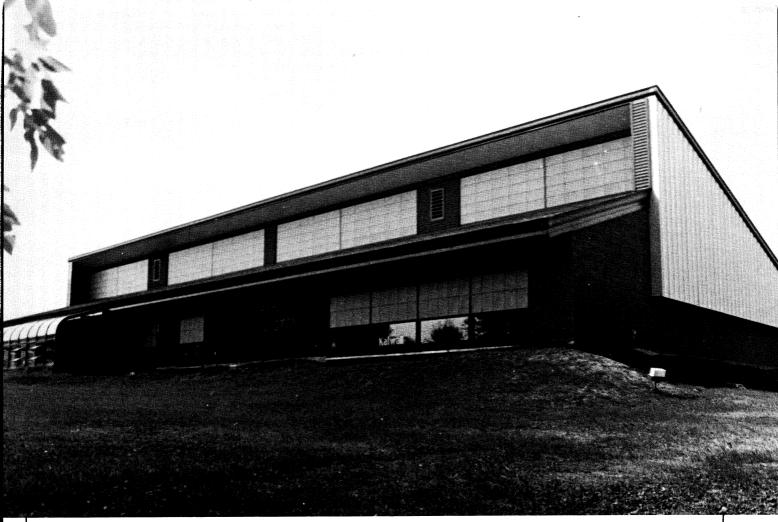


n January, 1984, Heike/Design Associates, Inc. was commissioned to design the new Portage County Highway Facility located on a 14 acre site in the Town of Plover. The high-quality building represents state-of-the-art design, more closely resembling a corporate headquarters than a traditional garage. The architect also provided interior space planning for the complete facility including 4,450 s.f. highway department offices, conference room, employee lunchroom, and employee shower/locker room located to be accessible to both the 18,000 sq. ft. maintenance and service bay.

A remote 4,800 s.f. salt storage building and 18,000 s.f. unheated metal garage were part of the project as well. The structure was designed with an 88 foot clear span in the garage for unobstructed vehicle movement and a 10-ton runway capacity at any point. In the shop are underhung runways and bridges for two 5-ton cranes. Other equipment-found in the shop are three heavy duty hydraulic hoists, sophisticated computerized fueling system, underground oil and fuel tanks, compressors, etc., as well as fire protection sprinkling system with 1,000 GPM diesel fire pumps and fire well.

Energy conscious design criteria were considered in selecting exterior walls of precast insulated sandwich panels which are maintenance free and placed horizontally across steel wind columns.

The total project budget was \$2.3 million. On-site parking is available for 68 cars. ■



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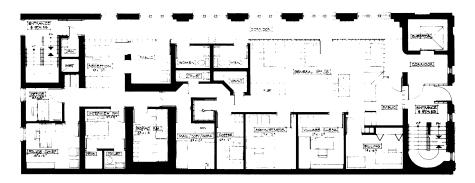
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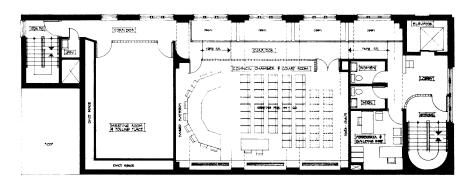
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Project: Architect: Owner: Municipal Building Remodeling, Mt. Horeb, Wisconsin Architects-Engineers-Incorporated, Madison, Wisconsin

r: Village of Mt. Horeb, Mt. Horeb, Wisconsin



KEVISED FIRST FLOOR PLAN

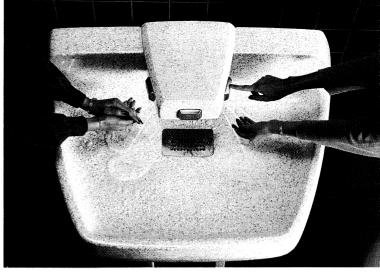


KEVISED SECOND PLOOK PLAN

he project goal was to provide a facility that was efficiently utilized, accessible to the handicapped and compiled to code. The basement was turned into a hard surfaced meeting room with secure storage areas for the village and police departments. The lobby floor was partitioned to provide separate offices for village administration and police functions as well as public restrooms. A new floor was installed over the existing lobby to provide two large meeting rooms, an office, plus additional public restrooms. A second code-required stair tower was added at the rear of the building. An elevator was inserted in the existing building to provide access to all floors. The existing ornate plaster detailing was retained where possible, and glass block was used to take advantage of the large east windows. The building was occupied in March of 1984, with the Village of Mt. Horeb being very proud of the new life it has aiven to their **Administrative** Center.



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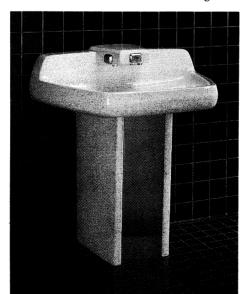
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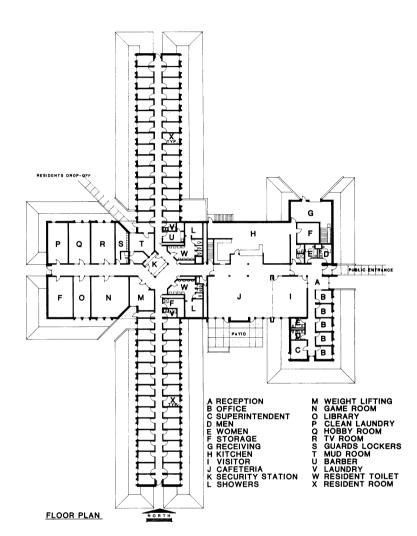


We get the job done better.

Project: Sanger F. Powers Correctional Center, Oneida, Wisconsin

Architect: Architects Group Limited, Green Bay, Wisconsin

Owner: Wisconsin Correctional Camp System, Warden James W. Matthews



This project is a Minimum Security Correctional Institution with individual rooms for the sixty residents. One third of residents work on the farm or building, one third are on a work release program and one third on school and training release programs.

It was important to create a residential scale and character and to keep energy costs to a minimum.

After investigating a number of solutions for the Security Station, it was decided to use a simple "T" solution with the resident rooms forming the

North and South wings. Activities Area forming the West wing, cafeteria and kitchen forming the East wing. The corridor serving each of these is easily monitored from the Security Station.

A pitched roof created the residential character along with broad overhangs, warm colored brick and the earth berms, which also added to energy savings.

The aesthetic was to create a long low structure, which harmonizes with the colors and horizontal lines of prairie and farm land surrounding. ■

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Project: County Office Building For Brown County, Green Bay, Wisconsin

Architect: Architects Group Limited, Green Bay, Wisconsin

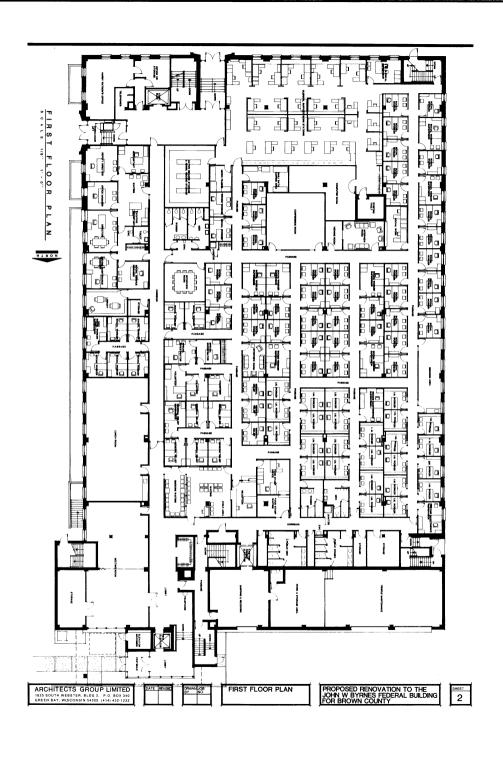
Owner: Brown County, Green Bay, Wisconsin

he existing structure was built in 1957/1958 and served as the main post office. When Brown County purchased the building in 1984, a number of Federal tenants remained on the second floor. The program was to renovate the building for county offices housing the Departments of Social Service and Mental Health while maintaining the second floor Federal tenants. A prime consideration was to separate the access for the present second floor tenants and the new county tenants. To meet handicapped accessibility, a wheel chair lift was added to the present east main entrance. A stairway, a new elevator and a new main entrance were added at the North end. This new main entrance will serve the two county agencies while the existing entrances will serve the other tenants.

Privacy between offices was a prime concern, sound walls and ceilings were used throughout. The building has been provided with wall and roof insulation and thermal-break insulating windows. The existing steam system will be converted to hot water and most of the existing plumbing and HVAC major equipment is to be reused. Fixtures and most duct work will be replaced.



NORTH ELEVATION



The Wisconsin Architect 9/85

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exciting structure contemporary in form and well suited to its site. The Spancrete Wall Panel with a buff colored exposed aggregate surface was our choice for appearance and practicality. The precast panel modular concept is well suited to the EAA. Anticipating future expansion, the building and panels were designed to be removable for reuse on additions to come. The thermal mass characteristics of Spancrete Sandwich Panels with built-in insulated core delivers a high R-Value providing beneficial energy conserving qualities by helping to maintain a stable interior environment. Erected in freezing winter conditions, the panels went up quickly providing, in one step, a complete wall system from the exterior weathering surface through the insulation core to the finished durable interior surface requiring only painting."

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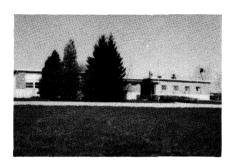
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Project: Architect: Owner: Fire Station No. 3, Menomonee Falls, Wisconsin RAE R. Reuss, Menomonee Falls, Wisconsin

City of Menomonee Falls





hen the "baby boom" of the "fifties and sixties" was over, Menomonee Falls was left with several empty schools. The Village Board, at the recommendation of Fire Chief, John Fulcher, decided to convert the old North Hills School into a fire house and training facility.

There were only two fire stations in the village at that time; one at the south end of the village and one the heart of downtown Menomonee Falls. This was their original fire station which had served for many years. The old building is in the north end of the village. The Lilly Road location of the project was in the approximate center, which was ideal. The other great advantage was the various classrooms which would be used for teaching and converted to office space.

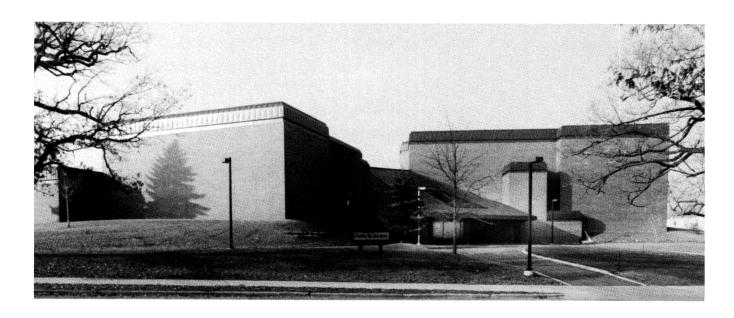
The addition of the Engine Room on the south end of the building, with its drive through doors was a practical solution for housing the equipment. The simple mansard roof of aluminum across the entire east elevation, ties the new and the existing unit together.

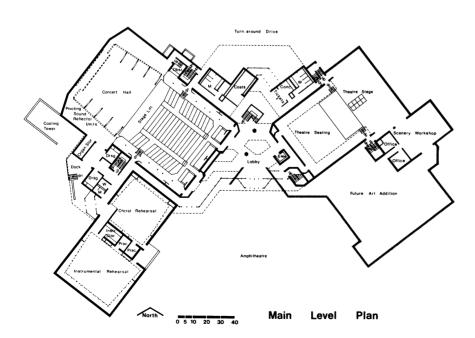
Project: Architect: University of Wisconsin - Platteville, Center for the Arts, Platteville, Wisconsin William Wenzler and Associates - Architects, Inc., 205 West Highland Avenue

Milwaukee, Wisconsin

Owner:

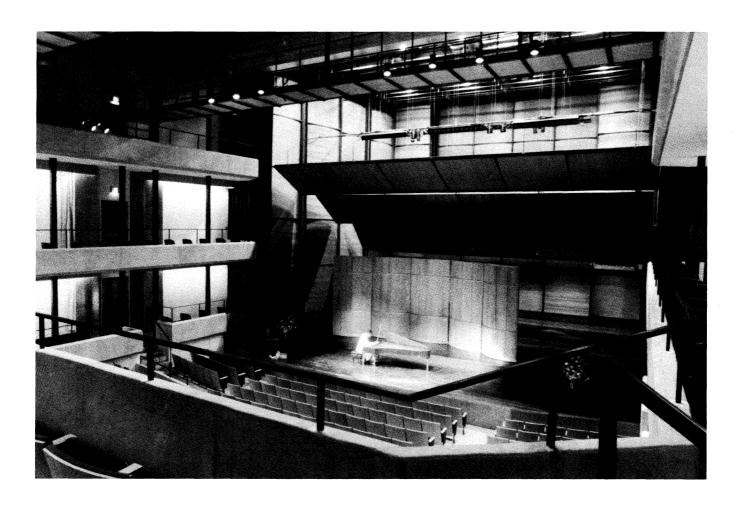
State of Wisconsin

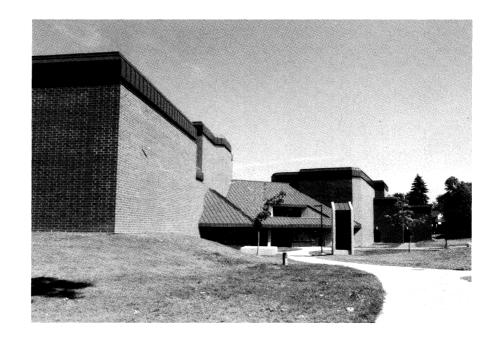




ompleted in April 1983, this 4.3 million dollar building is at once a university facility and a community center. The 600 seat concert hall and 400 seat studio theatre have the ideal sizes to host art programs for the rural community of 9,000. On the other hand, rehearsal rooms, stage studio, scenery workshop, special training equipment and a future art addition make the building function fully as a teaching facility.

The 47,000 s.f. building is located at the edge of the campus across the street from a residential neighborhood. Surrounding campus buildings to the east, south and west are all small older buildings. The scale of these buildings defines the character of the campus. The art center responded to this with a multi-element massing plan, differentiating the building into three blocks; one each for the concert hall, the theatre and the rehearsal rooms. The planned art addition will be a fourth block.





Project: West Hall Alteration/Additions, La Crosse, Wisconsin

Architect: HSR Associates, Inc., La Crosse, Wisconsin

Owner: Western Wisconsin Technical Institute, La Crosse, WI

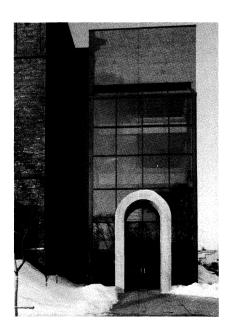


This project involved the adaptive re-use of the former La Crosse YMCA building that was originally dedicated in 1909 by then President William Howard Taft.

The original recreational facilities have been maintained and continue to function as a feature for the student services program (these include a gymnasium, swimming pool, weight room and handball court). The upper levels originally functioned as sleeping rooms and have been converted into offices and classrooms using a modified open plan concept where possible.

The new stair tower/entry was assigned as a separate element that would compliment the historic character of the original building, and at the same time create a strong entry image.

The result is a building that serves its owner (Western Wisconsin Technical Institute) exceptionally well, while preserving a structure that has important social and historical value for the community of La Crosse. ■



ARCHITECTURAL PHOTOGRAPHY

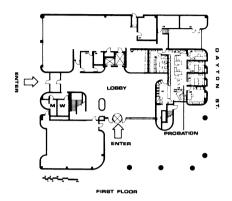


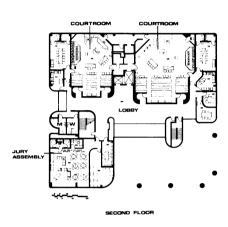
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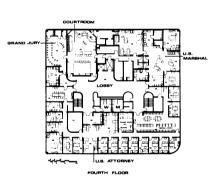
1442 N. FRANKLIN STREET MILWAUKEE 414-273-0654 Project: Architect: Owner: United States Court House - Madison, Wisconsin Kenton Peters & Associates, Madison, Wisconsin

United States









major characteristic of a curvilinear surface is the sense of continuity and free flow of space. Here the blue and red metal exterior flows unimpeded into the building and becomes the theme for the interior. As the exterior was created in relation to its urban surroundings, the interior design evolved from the desire to create a lively, warm, and personal atmosphere; not governmental and not institutional.

The patterns of the interior recall the scale, rhythm, and module of the exterior. But here the colors, while rich, are muted and subtly related to each other. Textured fabrics add interest and sound control to the walls.

Functionally, the building layout was created in direct response to very specific requirements established to promote the effective and efficient working of the courts and the ancillary offices that support them; to provide the stringent security measures required to protect members of the judicial system; and to promote communications between the judges and other members of the court.

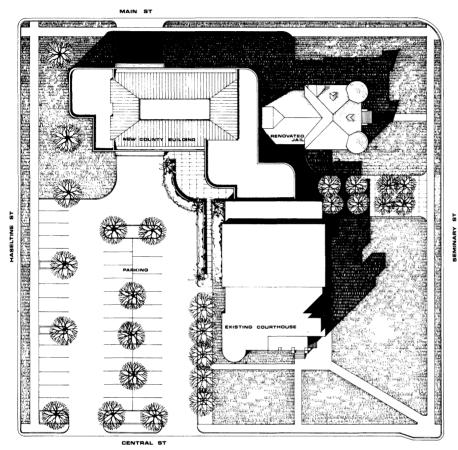
Most notable in this functional planning effort is the unique arena arrangement of the courtrooms and the separate and secure routes of access to and from the courts for judges, witnesses, litigants, and prisoners.





Project: Architect: Richland County Courthouse and Jail Addition, Richland Center, Wisconsin Kenton Peters & Associates Inc., 7618 Westward Way, Madison, Wisconsin

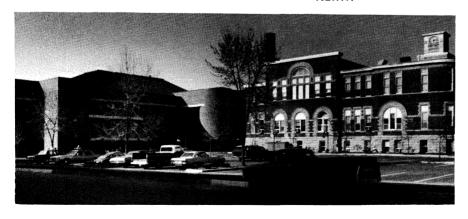
Owner: Richland County



SITE PLAN







Richland County, faced with the need for adequate facilities for the jail and county offices, initially planned to replace its existing historic but seriously deteriorated courthouse and jail. In response to concerns voiced by citizens' groups, Kenton Peters developed a proposal to renovate the existing buildings and construct a new addition.

This solution provided modern detention facilities which can accommodate 35 inmates, new offices for county government, and facilities for county emergency services. The old jail has been completely renovated to serve as offices for the Sheriff's Department. The connecting link joining the existing courthouse with the addition includes restroom, stairs, and elevator. This link allows easy access to all levels of the complex for the handicapped.

Preservation of the prominence and individuality of the two existing buildings was a primary goal. The new addition was located so as to provide a unifying backdrop for the major view from the North.

The use of red brick, white trim, curved forms, and sloped roofs reflect and extend the character of the existing building. ■

24

Project: Architect:

Owner:

Tree Handling Facility, Griffith State Nursery, Wisconsin Rapids, Wisconsin

Ranney and Lund - Architects, Madison, Wisconsin

Wisconsin Department of Natural Resources

his building is used for the processing, storage and distribution of tree planting stock, which is a basic activity of the DNR forestry program. It was built to bring efficiency to the operation, which previously was scattered among three inadequate buildings dating from the 1930s. Tree seedlings are harvested in early spring and late fall, when they are dormant. They are brought in from the fields, sorted, bundled and placed in cold storage until they are sold to the public. Three to four hundred thousand trees a day are processed in this manner.

The site is a level, heavily wooded area within the nursery grounds. The plan consists of three major areas: the sorting/packing area, the cold storage rooms and the crew room where 80 or so workers have lunch and toilet facilities. A small central office oversees the assembly and sales operations.

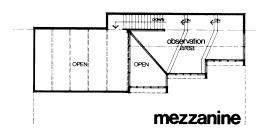
The sorting/packing area is a 50' x 100' open space. Workers stand beside two conveyor belts to sort the seedlings. At the end of the line, the trees are packaged and taken by forklift to the cold storage rooms. Because dormancy of the plants must be maintained this area is totally unheated. Materials were chosen for ruggedness and durability. The walls are unfinished concrete block, and the roof is spanned by wood trusses. Skylights provide diffused lighting and some passive solar gain.

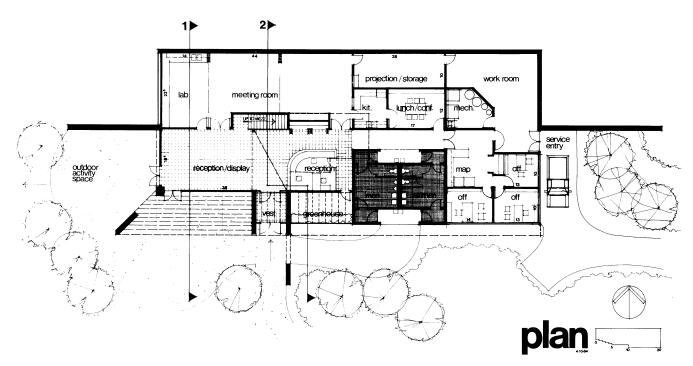
The cold storage rooms are designed to maintain a temperature of 33° year round. To avoid the cost of conventional cold storage construction, a simplified insulcrete system was used. The crew room and office are the only areas that are insulated and heated.





Project: Retzer Nature Center, Waukesha, Wisconsin
Architect: Heike/Design Associates, Inc., Milwaukee, Wisconsin
Waukesha County Park and Planning Commission





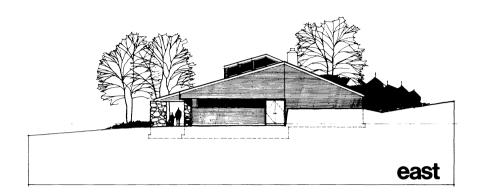
The 90 acre Retzer farm was bequeathed to Waukesha County in 1973. Additional acquisitions have brought total lands to 350 acres.

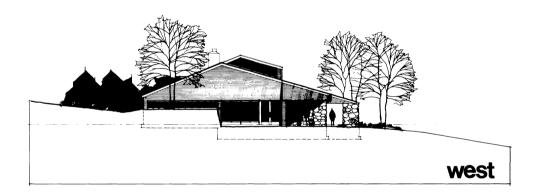
The 6,000 square feet contemporary, wood frame building will be the start and end point for an estimated 25,000 hikers at Retzer Nature Center yearly, with a wide variety of other educational uses. The rustic exterior design will blend with the natural topography of the site in form with low, horizontal lines and with use of indigenous materials and colors. It will house class-

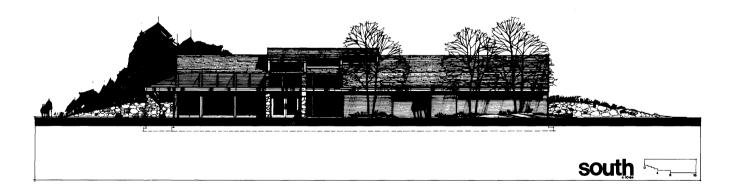
rooms, laboratories, meeting rooms with projection capabilities, and staff offices. The lobby is 1½ stories high with heavy exposed wood trusses, and will serve as prefunction gathering, exhibit, and display space. A loft with observation windows will orient visitors to the outside trails and will serve as a ranger look-out. A greenhouse for year-round horticulture study and an outdoor picnic patio are also planned.

Passive solar windows on the southern exposure will reduce operating costs. Roof windows provide natural light and ventilation. The interior will be durable, yet comfortable, and stimulating. The construction site was selected to gain maximum solar benefits, exposure to outstanding views, and natural protection from winter winds by placement in a northern hillside cutout.

A parking lot for 66 cars and road linking the center to Highway DT are also part of the \$600,000 budget. Construction is to be completed in January, 1986. ■







Project:

Beloit City Hall, Beloit, Wisconsin

Architect:

Rose/Orr Architects S.C., Beloit, Wisconsin

Owner:

City of Beloit





he primary challenge posed by this project was to design a cohesive building with two major occupancies having very different requirements. The project was envisioned as a major anchor to the Downtown Area, housing City Offices as well as the City Police Facilities. The Police Department requirements demanded a one story facility at the ground level. City Hall offices required major public access but were compatible with a multi-story concept. The finished design utilized simple masonry forms to unify the horizontal single story of the Police Facility with the four story mass of the City Hall.

The building was sited on a two block downtown area that had been cleared as part of an urban renewal project. An open park area was created between the new City Hall and existing commercial buildings. The government offices are prominent in the four story tower as they are viewed across the open parkway from the commercial downtown. Because the building is located in a flood plain, earth berms were provided around the perimeter and all mechanical units were located in a penthouse. This location of mechanical units also facilitate the future installation of solar heating units on the southern exposure of the building.

Interior planning placed a major emphasis on the creation of the Council Forum as the center of city government. Simplicity of finishes and detailing gives the Forum the stamp of quality deemed essential for the seat of city government. Low brick masonry walls and glazed corridors provide large unobstructed views of the tiered Forum.

Project: Urban Park, Green Bay, Wisconsin

Landscape

Architect: R. C. Greaves and Associates

Owner: City of Green Bay

The City of Green Bay had a dilemma in December of 1983; there were TIF funds available for completion of the downtown landscape treatment, but the Park Department was loaded with work. Solution: an outside consultant was hired to design the second phase of landscape treatment.

The Landscape Architect set up a pre-purchase program for the City, working through the Engineering Department. They enlisted the help of Wausau Tile Form Products to develop an honest, "concrete approach", to pre-fabricated wall units, incorporating internal bench supports and drainage fixtures.

The urban park commands the approach to the City. A new bridge in 1986 will be a true gateway to the downtown Green Bay. The scale of the planters, some forty feet square, eight feet tall, became a political concern which was overcome during many public meetings, and the job was completed within budget and almost on time.







Project: Racine County Courthouse and Law Enforcement Center Rehabilitation,

Racine, Wisconsin

Architect: Pfaller Herbst & Eppstein, Inc., Milwaukee, Wisconsin

Owner: Racine County, Racine, Wisconsin

The project began as a feasibility study — and ended as a \$9 million renovation project. In 1982, Racine County hired Pfaller Herbst & Eppstein to undertake a master plan study.

The master plan programming showed how to save the county in excess of \$300,000 per year on rent and bring all offices in close proximity to county management.

The county then authorized the architects to implement their recommendations regarding interior modifications. Phase I remodeled the county jail into office spaces. Phase II involved extending the new HVAC system throughout the building, replacing old writing, and various remodeling projects. Several smaller projects included the remodeling of the LEC to house the 280-person staff of the HSD, new juvenile court facility, and 64 additional cells.

Key challenges of this project involved the coordinated staging of the project. All of the county departments had to be kept fully operational during construction — especially the data processing center. The construction schedule was made flexible to work around court dates, key meetings, and other important functions.





Project: Dane County City-County Building

Architect: Potter, Lawson & Pawlowsky, Madison, Wisconsin

Owner: Dane County

Build in 1954, the City-County Building was designed to add four additional floors on the west half of the building. With county office and jail space requirements far exceeding available space, Dane County initiated the Vertical Expansion Project.

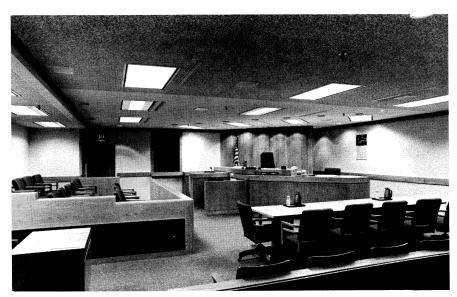
The Design task was many facetted. Add four floors and a penthouse onto an existing structure including new jail cells and support areas, remodel 60,000 square feet of the existing building space, phase and coordinate the work to allow the continual occupancy by the owner, and make the exterior of the four new floors look as if they were built with the original building in 1954.

Two of the existing floors were the heavy construction inherent in jail design and limited the allowable beam depth. The solution was to connect to the existing steel columns with new steel columns that would support a post-tensioned concrete slab and concrete column system.

The new construction includes office space besides providing the Dane County Jail with 214 additional cells, indoor and outdoor exercise areas, health offices, and additional visitation rooms, and other program spaces.

The remodeling of existing spaces involved over twenty individual pockets of construction that had to be phased and coordinated to allow all building functions to remain operational. At the completion of the first remodeled area, the personnel assigned to occupy that area were moved to the remodeled space. In turn, the then vacant area was the next to be remodeled, and so on.





The existing building is clad in stone panels. The new addition, however, was finished with precast concrete panels for economy and the ability to color match the existing weathered stone. To the passer by, unaware of the thirty year difference in construction, the building appears to be as it has been since 1954.

Project: Watertown Public Library, Watertown, Wisconsin

Architect: The Durrant Group Inc., Madison, Wisconsin (and Dubuque, IA; and Galena, IL)

Owner: City of Watertown, Watertown, Wisconsin

major expansion/renovation program has transformed this city library into a modern, functional resource with enhanced cultural and architectural value to its community. Existing space is tripled through a smooth extension and replication of original architecture, which manages to include some whimsical design touches.

A primary concern of the community was to use the original 1905/1906 Carnegie Library as the link between the past and future. To accomplish this on the limited existing site, the city decided to demolish a 1929 addition and develop a new space, extending the original building. The building is now accessible for all potential users — including elderly and handicapped who could not easily negotiate the monumental entrance stair of the original building.

Designers responded with a new two-story space to the south of the old building. The main public entrance of the library is moved to the east and a lobby is created between new and old spaces. The old main entrance becomes an exit only from the upper level. For added visual interest, the east facade is angled in to create an open-air area for plants or benches.

The new lobby leads both to the library in the new space and to public meeting rooms in the 1905/

1906 building. Reading areas and staff work areas are grouped together, while the circulation desk becomes the central control point for all library services.

Access to the second floor is by an open stairway or elevator. The reference desk, reading areas, card catalog and reference stacks are located in the old space while non-fiction stacks, reading areas and separate children's room are located in the new space. An atrium fills the space at this level between new and old, creating an airy atmosphere where vision and mind can soar.





Project: Architect: Outagamie County Airport Terminal Building Expansion, Appleton, Wisconsin

Marathon Engineers/Architects/Planners, Menasha, Wisconsin

Owner: Outagamie County



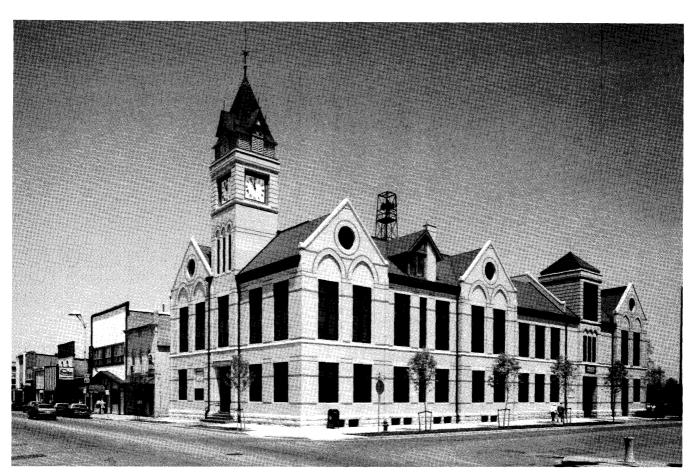
he airport terminal is located on a relatively flat piece of land in the middle of the entire air operations area of the airport and is the focal point of all air operations, business and pedestrian flow. The design was required to illustrate the importance of the terminal as a first impression image of the community from a visitor's perception. Also, the design had to be orchestrated to maintain the centerpiece image when considering the flexibility of future building expansion of the terminal building as well as the rest of the adjacent buildings. The entire interior of the original building required complete rennovation to accommodate the needed expansion of services.

The design solution also integrates a steel structures framing system with no bearing walls which allows for future expansion in any direction. The gate and concourse areas are structurally designed to receive a future second floor addition. Also, with the skylit atrium as the focal point of the terminal, passenger and visitor flow is motivated through well defined access points, baggage claim, ticket counter, car rentals and ancillary spaces.

Project: Architect: Owner:

Oconomowoc City Hall and Police Station, Oconomowoc, Wisconsin The Durrant Group Inc., Madison, Wisconsin (and Dubuque, IA; and Galena, IL)

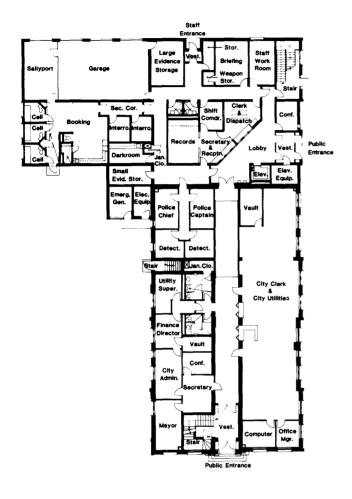
City of Oconomowoc, Oconomowoc, Wisconsin

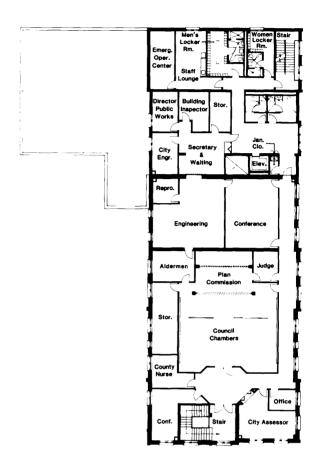


his city hall, on the National Register of Historic Places, has played a major architectural as well as civic role in its community since 1886. The Richardsonian Romanesque structure, designed by George B. Ferry, originally housed all civic functions. In recent years, building deterioration and the need for more space led to the decision to expand and restore the original structure.

The design solution restores the building's 1886 character while expanding its space through an addition — ending with a gabled form — which harmonizes with the existing architecture. An ornate, 23foot aluminum steeple with cupola, weathervane and clockdial faces replaces the original bell tower. New exterior brick matching the original colors replaces the badly deteriorated existing brick.

On the inside, the central corridor on the first floor is continued into the addition to join a new entry expressed on the outside as a secondary tower — for the police department. New and old spaces are tied together through the use of contemporary materials including a pressed tin ceiling with a pattern matching the original, wood wainscoting, and door moldings and blocks. The Council Chambers on the second floor is restored to its original appearance by removing the lowered ceiling, added in recent years, which obscured its beam structure. Stained glass from the exterior is reused and backlighted in the Chambers as an interior design feature.



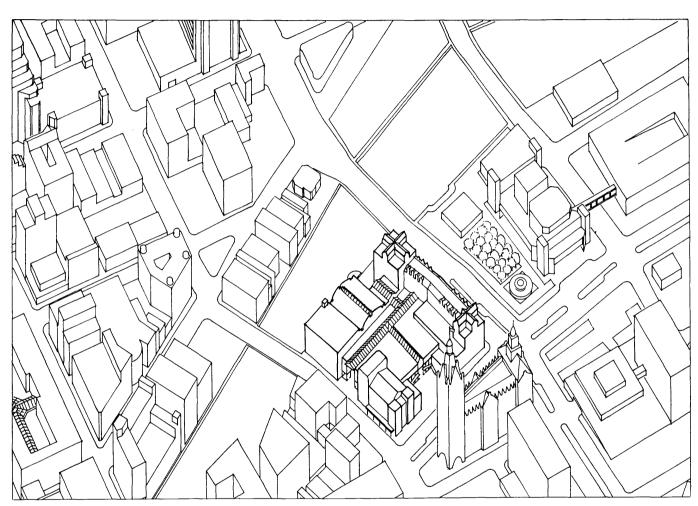


First Floor

Second Floor

Project: Theater District Feasibility Study, 1982, Milwaukee, Wisconsin Architect: Beckley/Myers, 135 West Wells St., Milwaukee, Wisconsin

Owner: City of Milwaukee - MRT/MRC Joint Venture



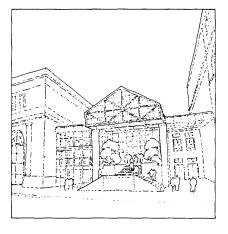
Milwaukee Repertory Theater (MRT) and the Milwaukee Redevelopment Corporation (MRC) commissioned Beckley/ Myers, Architects to create a design development and plan feasibility proposal for a Theater District in downtown Milwaukee in 1982. It was decided to create a new facility on property owned and no longer used by the Wisconsin Electric Company. That property, adjacent to the Milwaukee River, the Performing Arts Center and City Hall allowed for the conversion of historically significant buildings to theater use and had the potential for new development as well.

Beckley/Myers created four urban design objectives to guide their work and any future development efforts for the project. They were:

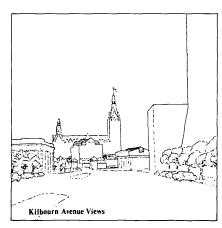
- 1. Use of a performing arts facility as a catalyst to create a development uniquely urban in character, a "late hour" entertainment and commercial center in the heart of downtown.
- 2. Creation of a project to leverage public and private investment and generate financial resources to construct the theater portion of the development.
- 3. Use of an architectural typology and control of building massing to compliment the strong architectural character of adjacent buildings.
- 4. Creation of an element (the arcade) to tie the different development components together and to create strong centralized entrances and effective circulation.

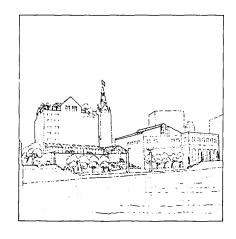
A project valued at \$100 million, including office space, hotels, restaurants, bars and retail space as well as space for MRT's three performing areas, shops and support space is being developed. The MRT will be the beneficiary of a \$12.5 million theater complex. Downtown Milwaukee will be the beneficiary of a theater district rich in diversity and enfused with a new vitality.

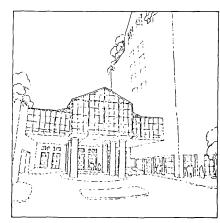












Project: Architect: Madison Area Technical College - Truax Campus, 3502 Anderson St., Madison, WI

nitect: Flad & Associates, Madison, Wisconsin

Owner:

Vocational Technical & Adult Education (VTAE) Board, District 4



he Truax Campus of the Madison Area Technical College (MATC) is a project which responds both to the client's program requirements and the constraints of the site. The clients expressed the need to house all of the diverse educational activities of eight major departments under one roof — everything from music to welding. The 149-acre site offered two significant types of constraints: flat, low-lying terrain and proximity to airport activity. The highest and eastern-most parcel of land was chosen for the building.

The diverse curricula and the general orientation of the site suggested that the building be organized around a central spine of circulation running from west to east. Sited along a curve in Anderson Street, the building steps back

to match the geometry of the street. There are also setbacks in elevation on the main facade, punctuated by stairtowers which emphasize vertical circulation. Clerestory lights illuminate corridors.

The landscape scheme mirrors the setback form along the south facade and expressed as a series of tree-lined walks and plazas at the south front of the building. More functional concerns—recreation, loading, etc., are met by the site design west and north of the building.

The east-west orientation of the main corridor space responds to two important program criteria:

Twenty-four Hour Use of the Building — The west end of the building, closest to the parking lot, is the

main entrance for the gymnasium, theater, cafeteria, and computer facilities. All of these functions are housed at the west end of the building and may be zoned off for security purposes.

Energy Use — The east-west spine also allows the employment of passive solar design principles, daylighting, and the replacement of mechanical systems and shops at the north and northwest sides of the structure.

Project:

Walter E. Olson Memorial Library, Eagle River, Wisconsin

Architect:

Reinke, Hansche, Last, Inc., 805 North Main Street, Oshkosh, Wisconsin

Owner:

Eagle River, Wisconsin

The Library Board wanted an inviting building reflecting the character of the "north woods".

Native stone walls, cedar shake roofs and cedar board paneling and trim are combined with glass areas and varied roof profiles to present this feeling.

The new library is located on a prominent intersection, one block from the main commercial area. The building is set back on the property, surrounded with grass and landscaping to be compatible with the adjacent residential area.

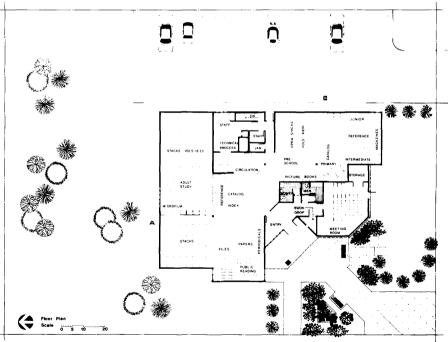
Focal point for the Library area is the charging desk which serves for all patron related functions and permits visual observation of the children's section.

The children's section is a mini-library designed to provide a stimulating library experience for the pre-school through 8th grade age group.

The main lobby provides access to the public toilets and meeting rooms when the library is closed.

The library is designed for a capacity of 30,000 volumes and provides for 40% expansion. ■





WALTER E. OLSON MEMORIAL LIBRARY

Proiect:

Owen-Withee Elementary School, Owen, Wisconsin

Architect:

Seymour Davis Seymour Architects-Engineers, Inc., 205 N. Dewey St., Eau Claire, WI

Owner:

School District of Owen-Withee, Owen, Wisconsin

ecognizing the need for a better educational environment for the District's elementary children, the residents of the Owen-Withee School District voted on December 14, 1982, to construct a new elementary building. This voter action resulted in the construction of a new 57,000 square foot building that replaced two outdated elementary schools.

The new school is a three-section facility with three clusters of six traditional classrooms around a central core consisting of a aymnasium, library, audio-visual area, art and music rooms, and other support areas. A fourth cluster of rooms provides a connection to the existing junior-senior high school and includes preschool, kindergarten special education classrooms, classrooms, and administrative offices.

Interior materials such as terrazzo, face brick, and color glazed block were chosen to provide finishes that are easy to maintain and aesthetically pleasing for many years into the future. Exterior materials of face brick and cut stone were selected for longevity and to provide a near perfect match of the new elementary facility to the existing high school complex.

The project also included energy retrofit work at the existing high school, which entailed the installation of energy efficient windows along with electrical and mechanical system modifications.





OWEN - WITHEE ELEMENTARY SCHOOL

FLOOR PLAN

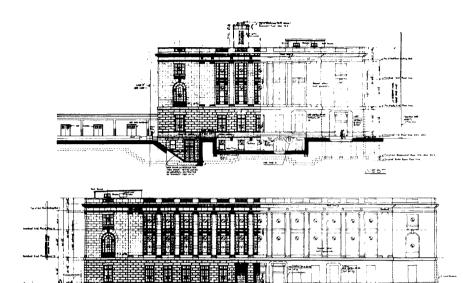
Project: Architect: Madison Municipal Building Renovation, 215 Monona Avenue, Madison, WI

SOUTH

Architec

Flad & Associates, Madison, Wisconsin

Owner: City of Madison



The old post office and federal building in Madison, Wisconsin, has been recycled into office space for the City of Madison.

The City purchased the building as surplus from the Federal Government in January of 1978 for \$1.75 million and has consolidated many of its offices in the downtown facility.

The neo-classical building, located directly across from the existing City-County Office Building and only one block from the State Capitol, was designed by U.S. Treasury Architect James H. Wetmore and completed in 1929. Flad & Associates, Inc. and Affiliated Engineers, Inc., initially developed a master plan for the entire site involving recycling of the Post Office structure and proposing a new office facility adjacent to the Post Office.

The predominant exterior energy was a prime concern. By insulating exterior walls and installing insulated glass windows, heat loss was reduced by 55 percent.

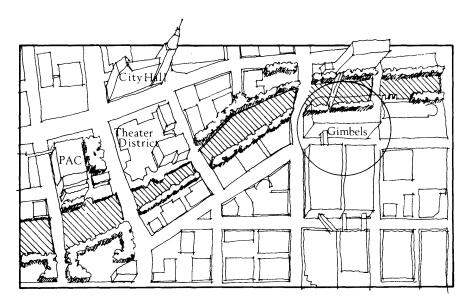
In updating the building's HVAC system, several innovative concepts were utilized. For example, chilled water for cooling is generated at night when electric rates are lowest. It is stored in tanks for use during hot summer afternoons. During fall and spring when the building requires both heating and cooling, heat rejected by chillers is pumped into storage tanks to heat the building when necessary. The boiler is used only when heat rejected by chillers is insufficient to heat the building.

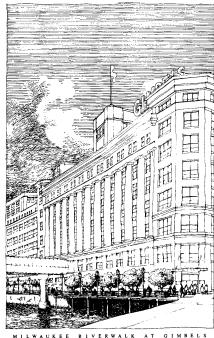
Total cost for the project was approximately \$2 million of \$29.30 per square foot, completed in 1980.

Project: Architect: Owner: City of Milwaukee/Gimbels Riverwalk, Milwaukee, Wisconsin

Beckley/Myers Architects, 135 West Wells Street, Milwaukee, Wisconsin

City of Milwaukee/Gimbels





The City of Milwaukee/Gimbels Riverwalk is the first section of Riverwalk in downtown Milwaukee to be built according to a plan and design guidelines en-

dorsed by the Greater Milwaukee Committee and the City of Milwaukee. This section of riverwalk spans the prominent 400 foot length of Gimbels property between Wisconsin and Michigan Avenue. The city of Milwaukee is contributing \$250,000 for the walkway and Gimbels is spending another \$250,000 in property improvements, a combined investment of \$500,000.

The City of Milwaukee/Gimbels Riverwalk provides new walkway sections of up to fifteen feet in width above the river on steel piles. Combined with existing projections into the river from the Gimbels store a combined riverwalk width of more than 30 feet is created at the Wisconsin Avenue end of the walk. This section is three steps below street level creating areas of informal seating. This area creates a mini-park above the river with its trees, evergreens and flowering plants, and benches and is illuminated with Milwaukee's historic harp lights festooned with banners on special occassions. A ramp provides access for the handicapped as well as vendors who are expected to take advantage of the noon-time crowds which will gather there. Gimbels is planning to actively promote the use of the space for itself and others.

Budget: \$250,000

Project Team: Architect - Beckley/ Myers Architects, Milwaukee. Structural Engineers - Strass-Maguire Associates, Milwaukee. General Contractors - Hunzinger Construction, Milwaukee.

Currently Under Construction Completion: June 1985

Project:

Dept. of Natural Resources - SE District Headquarters

Architect:

Plunkett, Keymor, Reginato Architects, 6830 W. Villard Ave., Milwaukee, Wisconsin

Owner: State of Wisconsin

he Department of Natural Resources outgrew its facilities in Milwaukee's northwest suburbs. Around the same time. Milwaukee made a commitment to the State of Wisconsin to effect meaningful urban redevelopment within the city. It began to accumulate sites and sold one to the State for \$1.00, with the agreement that it would house a state agency. When the DNR approached the State to build a new facility, the city and state convinced the DNR to relocate to the inner city site the state had purchased.

As architects concerned about urban redevelopment, we intended to create a functional, attractive building that would effect a new influx of daytime population and trigger new life and redevelopment to this dying urban area.

The site, approximately 100,000 sq. ft., contained many decaying buildings. An old, classically designed bank with corinthian columns sat in the middle of it. There was an existing parking lot to the east of the site and abandoned buildings and small businesses along the street to the west of the site.

The DNR's most important objective is the conservation of our resources. We sought to expand the notion of conservation to include urban conservation as well. We successfully convinced the city and state to save the bank facade and lobby. The facade and lobby provided a quality space with historical continuity.

To justify some added space in preserving the bank, a mezzanine





library was incorporated. The ornate plasterwork in both was meticulously repaired and repainted. This area became the focal point for the whole redevelopment. Color and material selections were all based on it.

The lobby hallway contains a greenhouse, galleria and waiting area in contemporary styling. Its woodslated ceiling creates dramatic lighting and blends the interior with the exterior. Laboratories for air, water, soil,

weather and biological research and analysis required "state of the art" design and complete security. We located them in the lower level to create a space unaccessible by the public.

The exterior of the building, done in precast, matches the limestone of the existing bank. The pitched, standing seam roof in copper-like cladding provided an added element to the expression the bank facade provided and helped create a bond from old to new.

Project:

Houdini Plaza, Appleton, Wisconsin

Architect: Owner: Yarbro-Kempinger Architects, Inc., 1018 West South Park Avenue, Oshkosh, Wisconsin

ner: Appleton Redevelopment Authority, City of Appleton, Wisconsin





n 1984 the Appleton Redevelopment Authority modernized and rehabilitated an area in downtown Appleton known as Soldiers Square. At the same time, the adjoining block to the west had a unique set of problems.

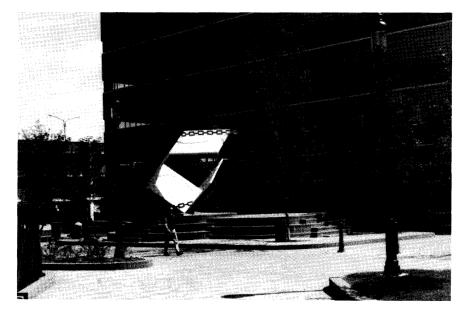
At the south one third of the block a private developer was constructing an office building which would be known as the Appleton Center. This building of contemporary desian relates aesthetically to the parking ramp structures flanking the Center. The north one third of the block is in a Historical District and consists of a variety of building styles constructed around the turn of the century. To the east is Soldiers Square, the recently completed streetscape project. To the west are buildings of various architectural styles and age. Basically, the problem was to develop a pedestrian plaza to replace the vehicular alley that existed and still maintain limited vehicular traffic for delivery purposes.

A number of the old buildings were removed. Remaining buildings were chemically cleaned and some were painted.

Final design provides a space that welcomes people to relax and enjoy their free time in a wooded park-like atmosphere, yet downtown.

A large abstract sculpture in the center of the plaza honors the world renowned magician and escape artist, Harry Houdini, who spent his childhood days on this site.





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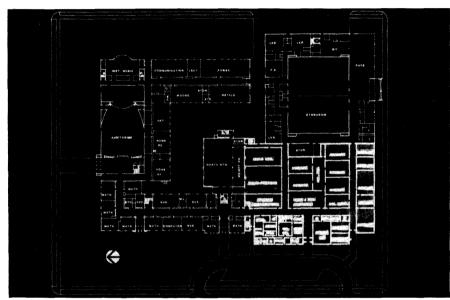


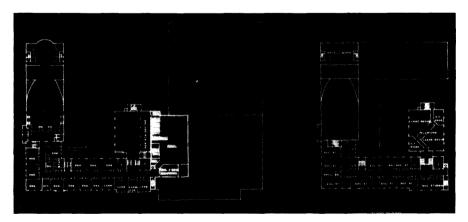
Project: Wausau East High School, Wausau, Wisconsin

Architect: The Stubenrauch Associates, Inc., 708 Erie Avenue, Sheboygan, Wisconsin

Owner: Wausau School District





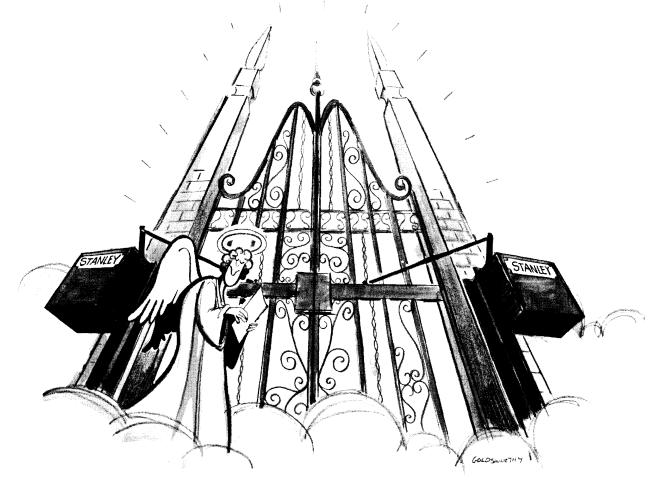


\$2.9 million project inlcuding new flooring throughout most of the building, new acoustic lay-in ceilings in all classrooms and corridors, renovate the entire heating and electrical systems along with new light fixtures in all areas, reroof major portions of the existing building, renovate the existing auditorium, add an elevator to comply with the barrier-free requirement and replace all of the exterior windows.

Remodeling will consist of converting the existing science rooms to academic classrooms, existing shop areas into larger spaces and converting the existing IMC into large group and multi-media center.

The exterior design of the new addition and replacement of exterior windows on the existing building in Phase I had to match with the present style of architecture of the high school. This was a major design factor for the exterior facade and a major concern of the local Historical Society.

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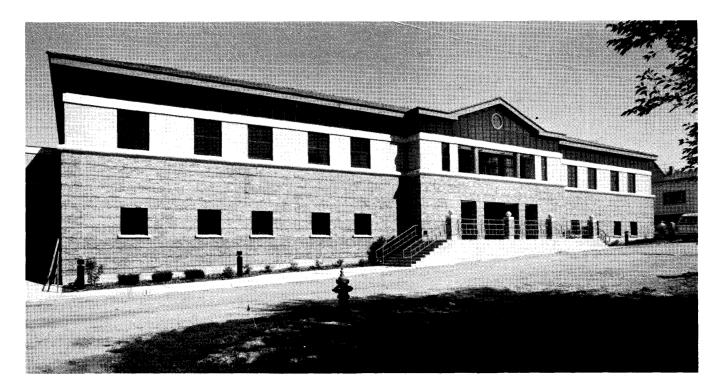
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Project: Dodge County Legal Services Building, Juneau, Wisconsin

Architect: Potter, Lawson & Pawlowsky, Madison, Wisconsin

Owner: Dodge County



odge County had outgrown their existing courthouse in Juneau, Wisconsin. A study concluded that courtrooms and related activities should move across the street into a new building. Here it could connect with the county jail for secure transport of prisoners. County administrative functions would remain in the existing facilities.

Two main entrances are provided, with one directed toward the existing courthouse square, and the other toward a new parking lot. The entrances are connected by a public hall through the building which is the major organizing element for the upper floor. Judges, jury, and defendants are provided separate corridors to limit contact with the public.

Architecturally, it was desirable to express a sense of permanence consistent with our society's notions about the immutability of the law. At the same time, architectural design, using appropriate scale, detail, and symbolism was seen as a means of humanizing our experience of the law.

This, led to a blending of two styles strongly associated with the past: Greek Revival, which was prevalent during Wisconsin's settlement period; and Prairie Style, which is the first indigenous midwestern style of serious inclinations. The result is a hybrid intended to look familiar, yet new, and entirely comfortable as it joins a collection of county buildings dating back 120 years.

Project:

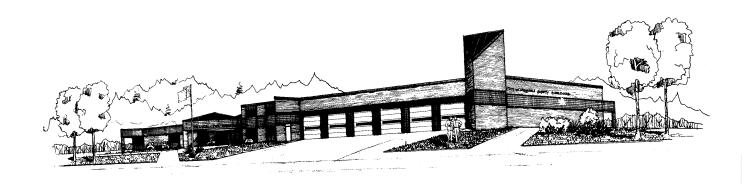
City of Mequon Safety Building, Mequon, Wisconsin

Architect:

The Stubenrauch Associates, Inc., 708 Erie Avenue, Sheboygan, Wisconsin

Owner:

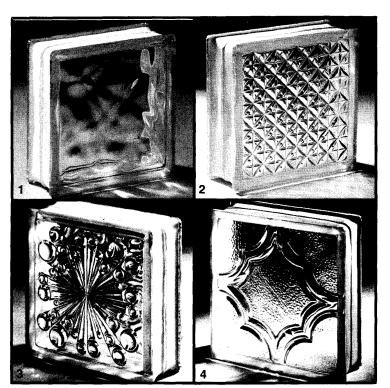
City of Meauon



he owner had a number of design requirements which had major influence as to the shape and location of the building on the site. These requirements were a drive-through Apparatus Room for the Fire Department; an indoor parking garage for the Police Department; and a single main entrance and lobby for both Police and Fire Departments which was to act as the focal point of the front elevation of the building and be viewed easily from the major intersection on which the site was located.

An accent band of special shaped brick was used to form a cap on the one-story portion of the building, but continued through the twostory and Apparatus Room walls to link the entire building together.

Three massive skylights were used on the project as major features in the building at the entrance canopy, Lobby area and Hose Tower Their use was to provide large areas of natural light into the building and to utilize local products.



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Dept. DA 5633 W. Florist Milwaukee, WI 53218 1-414-462-4143 Project: Architect:

52

Wisconsin Veterans Administration, King, Wisconsin Goebel-Balestrieri and Associates, Milwaukee, Wisconsin

Owner: State of Wisconsin



The Wisconsin Veterans Home located at King, Wisconsin is Wisconsin's tribute to its living war veterans. It is a self-contained retirement community, where aging or disabled veterans and their women dependents can live out their years in comfort and dignity.

The Medical Clinic/Treatment Center combines in one building, a variety of services and functions which were provided in a fragmented manner, at various facilities on campus that were functionally obsolete. The Medical Clinic areas are designed to serve the needs of approximately 750 patients and the Nursing Care areas a total of 120 patients.

As part of the building program interconnecting subterranean passages were built connecting all

major buildings on the site, in that the 750 members of the home are housed in four separate nursing care buildings. The passages were designed for use by the membrs as well as conveying materials between buildings.

The Wisconsin Architect 9/85



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Below: Dane County Airport Terminal, Madison, WI





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Contact: Paul Berta

216 North Midvale Boulevard P.O. Box 5566 ● Madison, WI 53705-0566 608-238-7181 Project: Architect: Mukwonago High School Remodeling, Mukwonago, Wisconsin

Pfaller Herbst & Eppstein, Inc., Milwaukee, Wisconsin

Owner:

School Board Mukwonago Area Schools, Mukwonago, Wisconsin





ukwonago High School, built in the early 1970's, was designed with classroom area in an "open-plan". Over the years severe noise problems hampered teaching and learning activities. In addition, the school was experiencing problems with the building's poorly insulated envelope. To make matters worse, the school's population grew to 300 students over the design capacity of the facility.

Pfaller Herbst & Eppstein was asked to redesign the spaces on the second floor to ensure acoustical privacy between classrooms, provide classrooms of legal size for the increased student population, improve the thermal efficiency of the building envelope, and improve the mechanical system and controls.

In order to accommodate the increased enrollment, former library spaces were converted into permanent, standard size classrooms. A new 6,000 square foot library addition was built on the south side of the school.

The demolition of the second floor rooms was completed in five phases in order to keep classes in session. Drywall and stud construction was used to lesson loads on the building structure and extensive use was made of ceramic tile on all corridor and classroom walls for durability, ease of maintenance and resistance to vandalism.

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Project: Architect: Owner: Wisconsin Dells Municipal Building Marathon Engineers/Architects/Planners

City of Wisconsin Dells



The building site is located in downtown Wisconsin Dells and is situated on a triangle shaped parcel of land adjacent to a railroad track and two city streets. The site offered no real amenities to orientate a clear distinction of entrance and accessibility. Therefore, design consideration addressed site characteristics and appropriate accessibility solutions.

The design solution aggregated the accessibility, energy and efficiency requirements of the building by defining site boundaries through abandoning a city street and orientating the entrance to the multi-purpose room to the south to allow passive heat gains.

- Earth berm was utilized on the north wall and partially on the east and west walls to minimize heat loss through exposure.
- A clerestory in the perimeter of the central corridor and lobby areas provides natural lighting, and energy reduction.

— Maximum window glazing was utilized on the south elevation as well as minimal glazing on the east and west walls. Dark colored quarry tile was constructed on a thickened concrete insulated floor slab which acts as a heat storage system from the passive solar gains.

The design articulates a very energy conscious, functional and accessible facility. The numerous energy conscious design considerations and components provide effective, long term utilization of energy.

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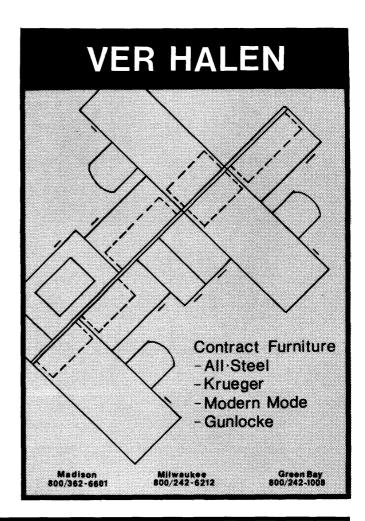
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This chart shows actual on-site weights.

Relative wts for LUXOR (Fir. Brcd.) Type Ptns.

ITEMS METPAR "Brnd S"

4" Pil	12#	10#
6" Pil	15.5#	12#
8" Pil	21#	*15.7#
24" Dr	29.5#	*29#
32" Dr	38.5#	*37.5#
58" PI	65#	55#

*Items have some hardware attached.

Pil = Pilaster Dr = DoorPI = Panel

difference in weight is probably due to the heavier gauge of the oval crown which METPAR still uses as a mechanical interlock. Brand S uses a light gauge, folds it under and spot welds it in place. Most specs call for 20ga full-length panels. Brand

went to 22ga for the face sheets of doors. The slight

S literature says their panels are 22ga and that is what they supply for all. METPAR supplies 20ga on all panels over 36".

Both companies say they supply 18ga for floor braced pilasters, but it is unlikely that the oval crown difference could account for the weight discrepancy here.

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Project: Architect: Brown County Central Library, Green Bay, Wisconsin Berners - Schober Associates, Inc., Green Bay, Wisconsin

Owner:

Brown County, Wisconsin

The primary objectives in the design of the Brown County Central Public Library were to provide excellent library services and to create an inviting environment. Windows to adjacent exterior spaces were designed to attract the greatest number of users on the first floor of the building. The building materials, colors, textures and furnishings were selected to further enhance the attractiveness of the library.

The spaces for library functions that accommodate the adult, young adult and child users were located to diminish the segregation by age but to still allow the books to be organized by user interest. Provisions for audio and visual materials and services as well as equipment were important considerations during the design phase.

The goal to create a library that would attract the largest possible number of users required the integration of the broadest possible range of library services. The integration of these services did not detract the image of the library or the importance of books and readers.







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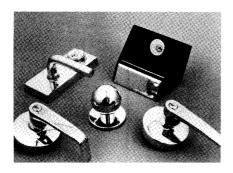
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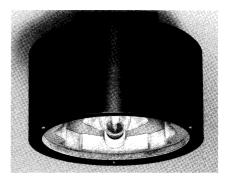
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